

Title (en)

Toner hopper

Title (de)

Tonervorratsbehälter

Title (fr)

Réservoir de distribution de toner

Publication

**EP 0525471 B1 19960306 (EN)**

Application

**EP 92111733 A 19920710**

Priority

JP 17358491 A 19910715

Abstract (en)

[origin: EP0525471A2] A vibrating member (3) having an elasticity is provided in which an end A thereof is mounted to a rotating part (6) in a toner conveying section (4) and which has a size such that the other end B thereof extends far beyond the tip of a blade (5) of the rotating part (6), whereby the rotation of the rotating part (6) causes the other end B of the vibrating member (3) to collide with the opening or inner wall of a toner cartridge (1). This collision allows a toner to drop efficiently, prevent the toner from being blocked, and noise to be reduced. <IMAGE>

IPC 1-7

**G03G 15/08**

IPC 8 full level

**G03G 15/08** (2006.01)

CPC (source: EP US)

**G03G 15/0877** (2013.01 - EP US); **Y10S 222/01** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0525471 A2 19930203; EP 0525471 A3 19930505; EP 0525471 B1 19960306**; DE 69208766 D1 19960411; DE 69208766 T2 19960905; JP 2580410 B2 19970212; JP H0519626 A 19930129; US 5270785 A 19931214

DOCDB simple family (application)

**EP 92111733 A 19920710**; DE 69208766 T 19920710; JP 17358491 A 19910715; US 90974092 A 19920707